



Biomass Program

Integrated Biorefineries R&D

Indiana Corn Dry Mill

Biorefineries are the foundation of the new bioindustry. These facilities convert biomass into fuels such as ethanol, high-value chemicals and other by-products. Most of the ethanol industry today is based in corn wet-milling plants. However, converting corn to ethanol through dry milling has the advantage of low capital costs relative to the construction and operation of wet-milling plants.

The goal of this project is to perform engineering, project design, and permitting for the creation and commercial demonstration of a corn dry mill biorefinery that will produce fuel-grade ethanol, distillers dry grain for animal feed, and carbon dioxide for industrial use.

Permitting, legal, and financial issues are the primary concerns that are still being addressed. Project partners are also working to successfully develop and conduct the detailed engineering and project design for a commercial corn dry mill biorefinery. The new biorefinery will be based in Jasper County, Indiana.



Photo: NREL

R&D Pathway

Project managers will work with the Indiana Department of Commerce to develop grant opportunities and secure viable financing. Efforts include completion of the equity and debt financing activities needed to expand farmer and other agriculture-related organization participation, as well as institutional debt financing.

Work will be undertaken to complete plans and agreements for feedstock supply and material handling logistics and processing systems, and to complete an environmental assessment and evaluation of the proposed site as required by the State of Indiana and Federal agencies.

Benefits

- **Demonstration of dry mill ethanol conversion processes**

Applications

This project will focus on developing an ethanol dry mill for production of fuels, industrial-grade carbon dioxide, and animal feed.

Project Participants

Iroquois Bio-Energy Co., LLC

Project Period

FY 2002 – FY 2004

For more information contact:

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Visit the Web site for the Office of the Biomass Program (OBP) at
www.eere.energy.gov/biomass.html

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